

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037153 A1

(51) International Patent Classification⁷: A61F 5/58,
11/04 // H04R 25/00

(21) International Application Number: PCT/SE2004/001481

(22) International Filing Date: 15 October 2004 (15.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0302774-5 22 October 2003 (22.10.2003) SE

(71) Applicant (for all designated States except US): ENTIFIC MEDICAL SYSTEMS AB [SE/SE]; Box 16024, S-412 21 Göteborg (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PITULIA, Dan [SE/SE]; Kärningbergsg. 8, S-426 76 Västra Frölunda (SE).

(74) Agent: ÅSNES, Kristian; Entific Medical Systems AB, Box 16024, S-412 21 Göteborg (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

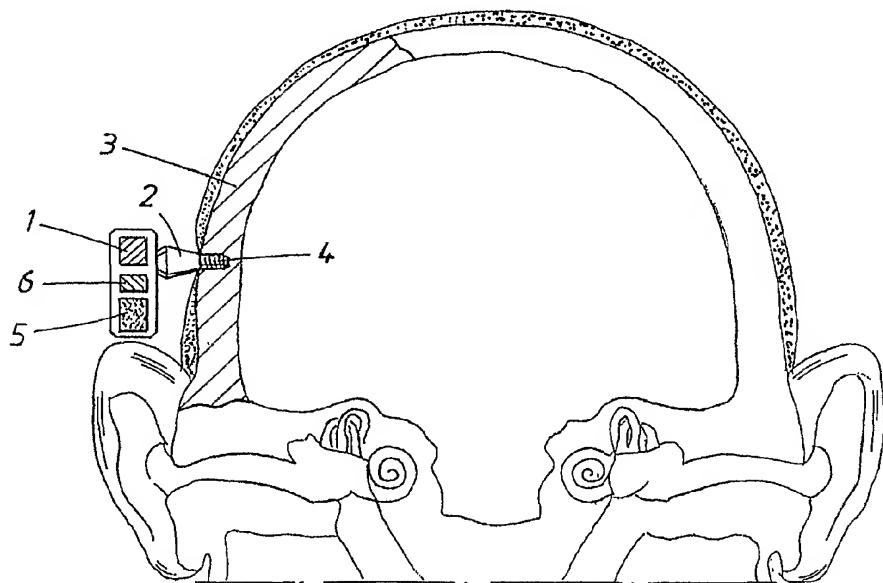
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: ANTI-STUTTERING DEVICE



WO 2005/037153 A1

(57) Abstract: The invention relates to a device for treating and reducing stuttering by means of auditory feedback. The device comprises a bone conducting hearing aid apparatus (1,5,6) arranged to be attached to the skull bone (3) of a user with a stuttering problem so that his ear canal is left free. The apparatus comprises a tactile component in the form of a vibrator (1) from which the sound information is mechanically transmitted to the inner ears of the user via the skull bone (3) so that both cochleas are stimulated. The cochlea on the opposite side of the skull receives a signal which is further delayed and also has another frequency characteristics compared to the digital received by the nearest cochlea.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.